



## STO24S Servo Take Out

Container glass  
production

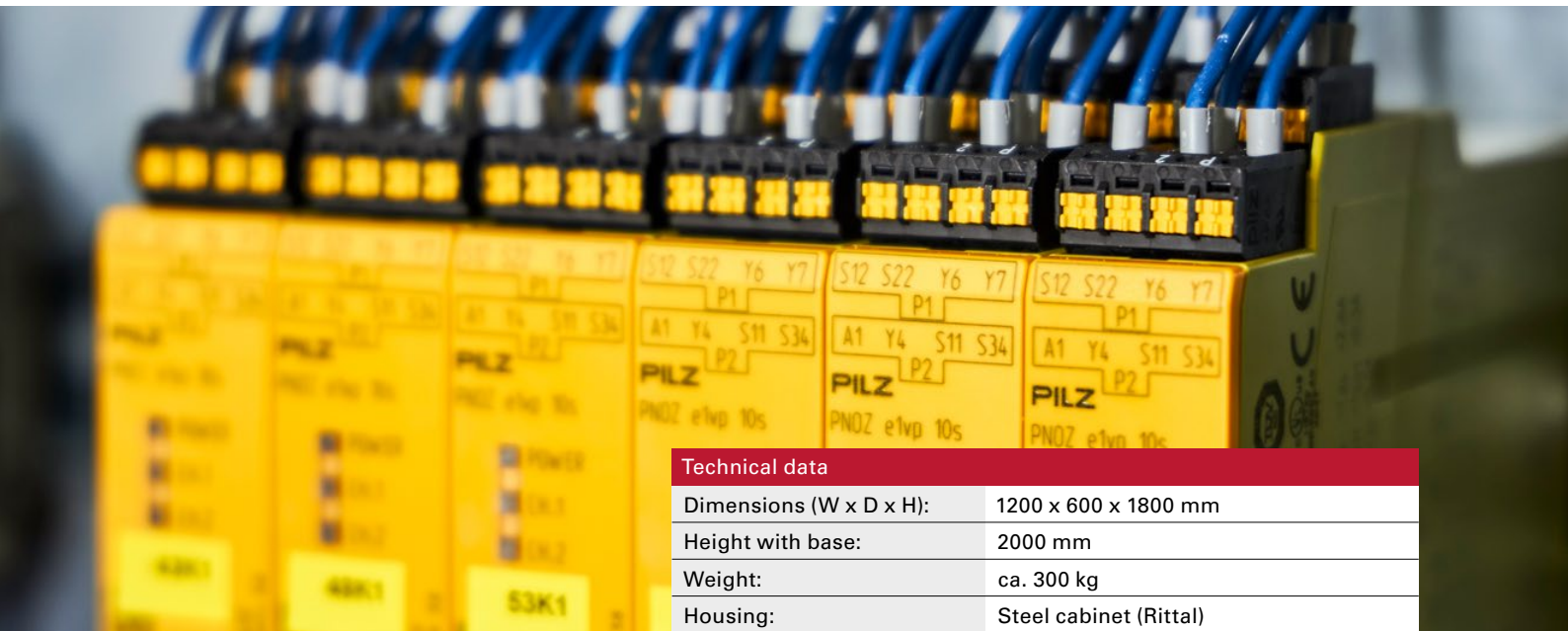
### Control and drive system for all servo take-out units

Our STO24S servo take-out control system is designed to control and drive almost any servo take-out mechanism established in the market today. The system ships with a whole series of innovative functions and features. Amongst other things, additional parameters allow the machine operator to determine the set-down position more flexibly and more precisely than is possible using conventional control systems. Our STO24S helps reduce the number of faulty glass containers and achieve a measurable improvement in product quality.

Based on advanced servo technology, the STO24S integrates seamlessly into our proven FMT24S machine control system. It is controlled centrally via the job database menu of the FMT24S HMI. The STO24S is available as an option for all IS machines equipped with futronic controls and drives. It can be retrofitted to any existing equipment featuring an FMT24S control system without any problem. We can also supply the STO24S in a stand-alone version for integration into the control infrastructure of other manufacturers.



# STO24S at a glance



## Technical data

Dimensions (W x D x H):	1200 x 600 x 1800 mm
Height with base:	2000 mm
Weight:	ca. 300 kg
Housing:	Steel cabinet (Rittal)
Protection class:	IP22 (IP54 with optional air conditioning)
Power supply:	400 to 480 VAC, 50/60 Hz
Power supply tolerance:	±5%
Power electronics:	JETTER servo converter
Control electronics:	JETTER JetControl 365
Drive-to-PC interface:	Ethernet
Operation:	Integrated into FMT24S or standalone HMI
Ambient temperature without air conditioning:	max. 25 °C
Ambient temperature with air conditioning:	max. 45°C (depending on model)
Relative humidity:	max. 80 %

## Benefits

- Far fewer faulty glass containers in the neck region
- Precise positioning of jobs on the dead plate
- Central control via the FMT24S interface
- Unified job database management via the FMT24S interface
- Also available in a standalone version with a separate HMI for any standard IS machine
- High repeatability
- Accurate reproducibility
- Maximum flexibility in production
- Cost-effective solution

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<b>SETO-IN</b>								
Running time [s]	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Start position	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
End position	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
Ramp shifting [%]	50	50	50	50	50	50	50	50
<b>SETO-OUT</b>								
Running time [s]	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Start position	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
End position	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Ramp shifting [%]	50	50	50	50	50	50	50	50
<b>SETO-put down</b>								
Running time [s]	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Start position	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
End position	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ramp shifting [%]	50	50	50	50	50	50	50	50
<b>SETO-back</b>								
Running time [s]	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Start position	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
End position	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
Ramp shifting [%]	50	50	50	50	50	50	50	50

## Most important features

- Control of all standard servo take-out systems
- Integral drive for any take-out mechanism established in the market today
- Option for machines from different manufacturers, also as a retrofit
- Time sequences presented in a bar chart
- Built-in alarm and event reports
- Simple, intuitive operation
- Easy maintenance because standard components are used
- Multilingual HMI

